## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/541.246
Source:	1FWO
Date Processed by STIC:	10/19/06

## ENTERED



IFWO

RAW SEQUENCE LISTING DATE: 10/19/2006
PATENT APPLICATION: US/10/541,246 TIME: 12:33:43

Input Set : A:\23431816.APP

Output Set: N:\CRF4\10192006\J541246.raw

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3 <110> APPLICANT: LAWRENCE, MARK L.
         PAULSEN, DANIEL B.
         SCRUGGS, DANIEL W.
 7 <120> TITLE OF INVENTION: METHODS OF PREPARATION OF LIVE ATTENUATED BACTERIAL
         VACCINES BY ALTERATION OF DNA ADENINE METHYLASE (DAM)
 q
         ACTIVITY IN THOSE BACTERIA
11 <130> FILE REFERENCE: 2343-181-64 NATL
13 <140> CURRENT APPLICATION NUMBER: 10/541,246
14 <141> CURRENT FILING DATE: 2005-07-01
16 <150> PRIOR APPLICATION NUMBER: 60/439,796
17 <151> PRIOR FILING DATE: 2003-01-14
19 <150> PRIOR APPLICATION NUMBER: 60/439,790
20 <151> PRIOR FILING DATE: 2003-01-14
22 <160> NUMBER OF SEQ ID NOS: 7
24 <170> SOFTWARE: PatentIn Ver. 3.3
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27 <211> LENGTH: 18
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DATE: 10/19/2006

TIME: 12:33:43

## Input Set : A:\23431816.APP Output Set: N:\CRF4\10192006\J541246.raw 66 <211> LENGTH: 21 67 <212> TYPE: DNA 68 <213> ORGANISM: Artificial Sequence 70 <220> FEATURE: 71 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 72 primer 74 <400> SEQUENCE: 4 75 gctggaaaat tgcgtctcgt c 21 78 <210> SEQ ID NO: 5 79 <211> LENGTH: 18 80 <212> TYPE: DNA 81 <213> ORGANISM: Artificial Sequence 83 <220> FEATURE: 84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 85 primer 87 <400> SEQUENCE: 5 88 ggatcctgcg ttatcccc 18 91 <210> SEQ ID NO: 6 92 <211> LENGTH: 18 93 <212> TYPE: DNA 94 <213> ORGANISM: Artificial Sequence 96 <220> FEATURE: 97 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 98 primer 100 <400> SEQUENCE: 6 101 tctagatqtt gccaatqc 18 104 <210> SEQ ID NO: 7 105 <211> LENGTH: 35 106 <212> TYPE: DNA 107 <213> ORGANISM: Pasteurella multocida 109 <220> FEATURE: 110 <221> NAME/KEY: modified base 111 <222> LOCATION: (7)..(23) 112 <223> OTHER INFORMATION: a, c, g, t, unknown or other 114 <220> FEATURE: 115 <221> NAME/KEY: modified base 116 <222> LOCATION: (30)..(34) 117 <223> OTHER INFORMATION: a, c, g, t, unknown or other 119 <400> SEQUENCE: 7 W--> 120 tggaaannnn nnnnnnnnn nnntagcgtn nnnng 35

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,246

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/19/2006 PATENT APPLICATION: US/10/541,246 TIME: 12:33:44

Input Set : A:\23431816.APP

Output Set: N:\CRF4\10192006\J541246.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,30,31,32,33 Seq#:7; N Pos. 34

VERIFICATION SUMMARY

DATE: 10/19/2006 TIME: 12:33:44

PATENT APPLICATION: US/10/541,246

Input Set : A:\23431816.APP

Output Set: N:\CRF4\10192006\J541246.raw

L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0